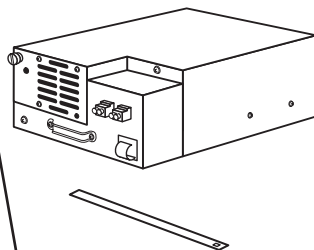
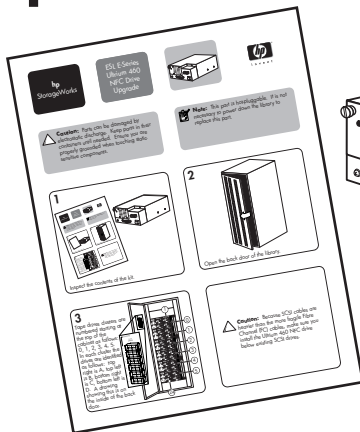


**Caution:** Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.



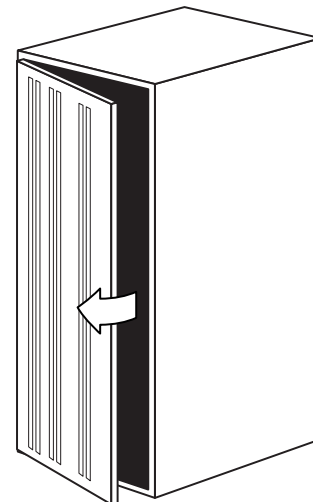
**Note:** This part is hot-swappable. It is not necessary to power down the library to add this part. It is, however, necessary to reboot the library in order to reconfigure the number of drives.

1



Inspect the contents of the kit.

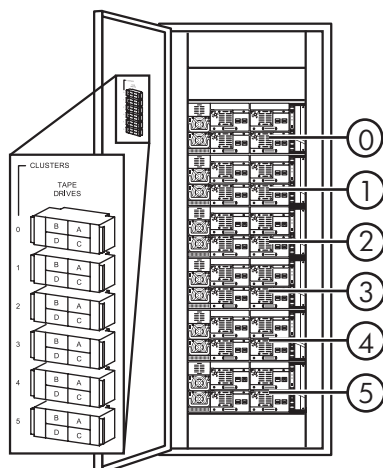
2



Open the back door of the library.

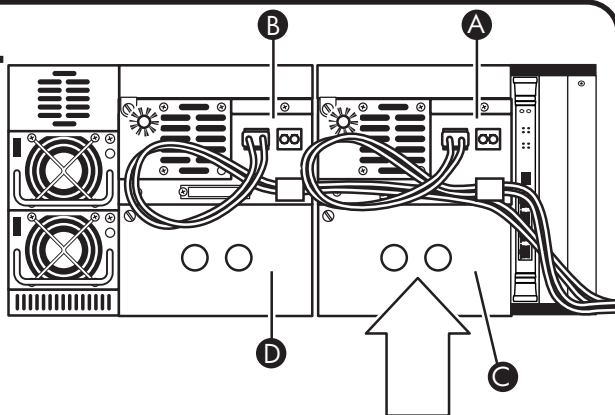
3

Drive clusters are numbered from 0 to 5 starting at the top of the cabinet. In each drive cluster the drives are identified as follows: top right is A, top left is B, bottom right is C, bottom left is D. A drawing of the drive cluster is located on the inside of the back door.



**Caution:** Because SCSI cables are heavier than the more fragile Fibre Channel (FC) cables, make sure you install the Ultrium FC drive in a cluster below existing SCSI drives.

4

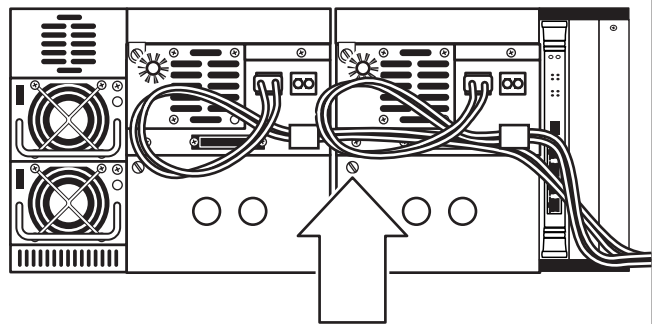


Identify the location for the new drive.



**Note:** Drives must be installed in order. Bay A must be filled first, then bay B, bay C, and finally bay D.

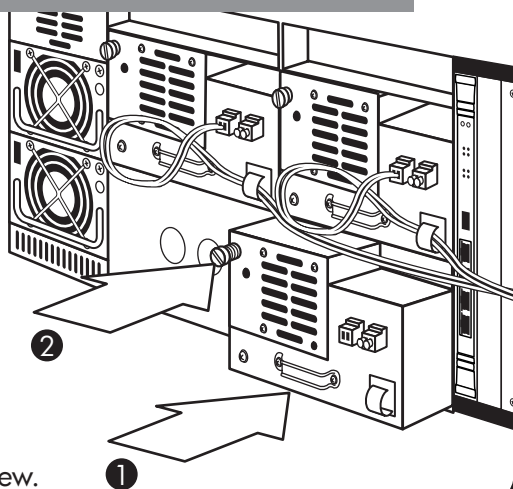
5



Remove the plate covering the bay in which the drive will be installed by removing the screw.

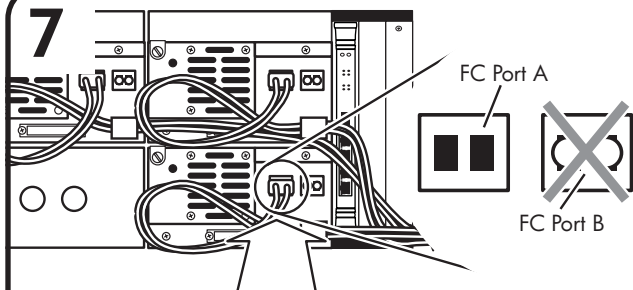
6

## Installation



Slide the upgrade drive into the drive bay and tighten the captive screw.

7

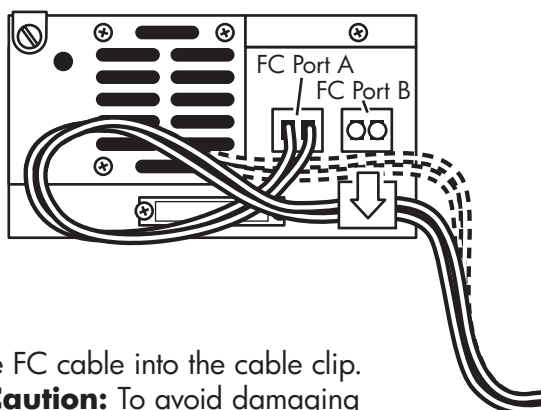


Remove FC port A end caps and attach the FC cable to the new drive. Be sure to use the cable appropriately labeled for the new drive, identified as A, B, C or D. It should already be in place from the interface controller installation.



**Note:** Only use FC port A when connecting the FC cable to the drive.

8



Insert the FC cable into the cable clip.



**Caution:** To avoid damaging the FC cable, do not sharply bend or pinch the cable. Allow a radial bend when attaching the FC cable to the cable clip.



**Note:** If needed, the tie wrap provided with this kit can be used to help keep the FC cables clear of the drive cluster below by attaching the cables to the drive handle.

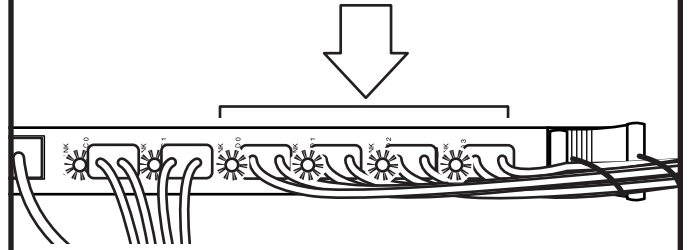
## 9

### Configuration

Configure the library to the correct number of drives installed.

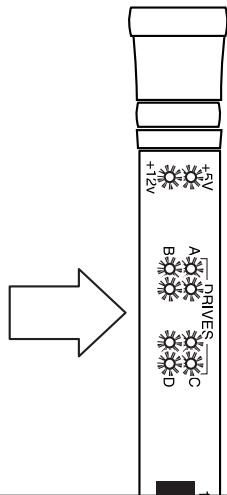
- Select **Setup** from the **Menu** screen on the OCP.
- Enter the 6-digit password. The default password is 001122.
- Use the **Down** button to move to **Configured Drives**, then press **Select**.
- Use the **Down** button to change the drive count to the actual number of drives installed.
- Press **Select** to save the configuration.
- Power cycle the library for the change to take effect.

## 10



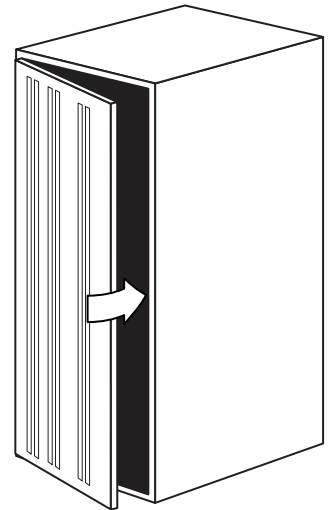
Verify that the FC port LED on the FC interface controller card is green.

## 11



The LED for the new drive and its associated cluster controller card LED should be green.

## 12



Close the back door of the library.

## 13

### Firmware Upgrade

Upgrade the drive firmware. For complete details, refer to the HP StorageWorks Interface Manager and the *HP StorageWorks Command View TL User Guide* that shipped with the library.

## 14

Make sure that Command View TL recognizes the new drive using the Command View TL console. Refer to the *HP StorageWorks Interface Manager and Command View TL User Guide* for detailed procedures.

## Getting help

- HP product information:  
<http://www.hp.com/products/esle>
- HP technical support and phone numbers:  
<http://www.hp.com/support>
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:  
<http://www.hp.com/support/tapetools>
- Interface Manager and HP StorageWorks Command View TL:  
<http://www.hp.com/support/cvtl>

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